650

McDermott
Will & Emery

Boston Brussels Chicago Düsseldorf London Los Angeles Miami Milan
Munich New York Orange County Rome San Diego Silicon Valley Washington, D.C.

FACSIMILE

Date: October 30, 2007 **Time Sent:**

To:	**Company:**	**Facsimile No:**	**Telephone No:**
Michelle **(Certificate of Correction)**	USPTO	571-270-9945	

From:	Wendy R. Jones	*Direct Phone:*	(949) 757-6098
E-Mail:	wjones@mwe.com		
Sent By:	Wendy R. Jones	*Direct Phone:*	(949) 757-6098
Client/Matter/Tkpr:	070602-0406-7894	*Original to Follow by Mail:*	No
		Number of Pages, Including Cover:	4

Re: U.S. Patent Application No. 10/692,704
Patent Number: 7,119,903
For: METHOD AND SYSTEM FOR MEASURING DIFFERENTIAL SCATTERING OF LIGHT OFF OF SAMPLE SURFACES
Inventor: Brian B. Jones
Our Reference: 070602-0406

Message:

Transmitted herewith is the following document:

1. Certificate of Correction (as filed)

ORC 426575-1.070602.0406

IF YOU DO NOT RECEIVE ALL OF THE PAGES, PLEASE CALL WENDY JONES AT 949.757.6098 AS SOON AS POSSIBLE.
Main Facsimile: 949.851.9348 Facsimile Operator: 949.757.7100

U.S. practice conducted through McDermott Will & Emery LLP.
18191 Von Karman Avenue Suite 500 Irvine, California 92612-7108 Telephone: 949.851.0633

Staple Here Only!

PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,119,903

DATED : October 10, 2006

INVENTOR(S) : Brian B. JONES

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE SPECIFICATION:

Column 6, Line 55: remove "(i.e.," after "integrand"

Column 10, line 20, replace: $\rho_{spec}{}^2 = \rho_0{}^2 - 2\rho_0 z_0 \cos\psi_0 \tan\theta_{spec} + z_0{}^2 \tan^2\theta_{spec}$.

with: $\rho_{spec}^2 = \rho_0^2 - 2\rho_0 z_0 \cos\psi_0 \tan\theta_{spec} + z_0^2 \tan^2\theta_{spec}$.

Column 10, line 22, replace: $0 \leq r \leq R$ with $0 < r \leq R$

Column 10, line 23, replace: $0 < \phi \leq 2\pi$. with $0 < \phi \leq 2\pi$.

Column 10, line 49, replace: $\rho^2 = \rho_{spec}{}^2 + r^2 + \rho_{spec} r \cos\psi_{spec} \cos\phi + \rho_{spec} \sin\psi_{spec} r \sin\phi$.

with: $\rho^2 = \rho_{spec}^2 + r^2 + \rho_{spec} r \cos\psi_{spec} \cos\phi + \rho_{spec} \sin\psi_{spec} r \sin\phi$.

Column 10, line 52, replace: $\rho \leq R$ with $\rho \leq R$

Column 10, line 55, replace: $\frac{R^2 - \rho_{spec}^2 - r^2}{\rho_{spec}^r} \geq \cos\psi_{spec} \cos\phi + \sin\psi_{spec} \sin\phi$.

with: $\frac{R^2 - \rho_{spec}^2 - r^2}{\rho_{spec} r} \geq \cos\psi_{spec} \cos\phi + \sin\psi_{spec} \sin\phi$.

Column 10, line 59, delete equation: $\geq \cos\psi_{spec} \cos\phi + \sin\psi_{spec} \sin\phi$.

Column 11, line 5, replace: $\frac{R^2 - \rho_{spec}^2 - r^2}{\rho_{spec}^r} \geq \cos\psi_{spec} \cos\phi + \sin\psi_{spec} \sin\phi$.

with: $\frac{R^2 - \rho_{spec}^2 - r^2}{\rho_{spec} r} \geq \cos\psi_{spec} \cos\phi + \sin\psi_{spec} \sin\phi$.

Column 11, line 10, delete equation: $\geq \cos\psi_{spec}\cos\phi + \sin\psi_{spec}\sin\phi$.

Column 12, line 7, replace: $\beta'^2 = \frac{z_0^2}{z_0^2+r^2} - \frac{2z_0\sin\theta_0}{\sqrt{z_0^2+r^2}} + \sin^2\theta_0$

with: $\beta'^2 = \frac{z_0^2}{z_0^2+r^2} - \frac{2z_0\sin\theta_0}{\sqrt{z_0^2+r^2}} + \sin^2\theta_0$

Column 12, line 20, replace: $\frac{d\beta'}{dr} = \left(\frac{z_0^2}{z_0^2+r^2} - \frac{2_{z_0}\sin\theta_0}{\sqrt{r^2+z_0^2}} + \sin^2\theta_0\right)^{-\frac{1}{2}}\left(\frac{z_0^2 r}{\left(z_0^2+r^2\right)} - \frac{z_0 r\sin\theta_0}{\left(z_0^2+r^2\right)^{(3/2)}}\right)$.

with: $\frac{d\beta'}{dr} = \left(\frac{z_0^2}{z_0^2+r^2} - \frac{2_{z_0}\sin\theta_0}{\sqrt{r^2+z_0^2}} + \sin^2\theta_0\right)^{-\frac{1}{2}}\left(\frac{z_0^2 r}{\left(z_0^2+r^2\right)} - \frac{z_0 r\sin\theta_0}{\left(z_0^2+r^2\right)^{(3/2)}}\right)$.

Column 12, line 37 replace: $\frac{dp}{d\Omega} = \frac{1}{I_s l(r) r}\left(\frac{d\beta'}{dr}\right)\frac{dBRDF}{d\beta'}$.

with: $\frac{dp}{d\Omega} = \frac{1}{I_s \ell(r) r}\left(\frac{d\beta'}{dr}\right)\frac{dBRDF}{d\beta'}$.

Column 13, line 63, replace: $\mathrm{BRDF} = \int_{D} \frac{dp(|\beta-\beta_0|)}{d\Omega}\sqrt{k_1}\left|\frac{\partial(\theta,\phi)}{\partial(k_1 k_2)}\right| dk_1 dk_k$.

with: $\mathrm{BRDF} = \int_{D} \frac{dp(|\beta-\beta_0|)}{d\Omega}\sqrt{k_1}\left|\frac{\partial(\theta,\phi)}{\partial(k_1 k_2)}\right| dk_1 dk_2$.

Column 15, line 3, replace: $\frac{\partial\phi}{\partial k_1}$, with: $\frac{\partial\phi}{\partial k_2}$,

Column 15, lines 32-33,
replace: $\cos^{-1}(\sin\theta_1\cos\phi_1\sin\theta_2\cos\phi_2 + \sin\theta_1\sin\phi_1\sin\theta_2\sin\phi_2 + \cos\theta_1\cos\theta_2) \leq \alpha$

with: $\cos^{-1}(\sin\theta_1\cos\phi_1\sin\theta_2\cos\phi_2 + \sin\theta_1\sin\phi_1\sin\theta_2\sin\phi_2 + \cos\theta_1\cos\theta_2) \leq \alpha$

Column 16, line 37, replace: "l(r)" with $\ell(r)$

Column 16, line 45, replace: $\geq \cos\psi_{spec}\cos\phi + \sin\psi_{spec}\sin\phi$, *and*

with: $\geq \cos\psi_{spec}\cos\phi + \sin\psi_{spec}\sin\phi$, *and*

Column 16, line 50, replace: : $\frac{d\rho}{d\Omega} = \frac{1}{I_s l(r) r}\left(\frac{d\beta'}{dr}\right)\frac{dBRDF}{d\beta'}.$

with: $\frac{d\rho}{d\Omega} = \frac{1}{I_s \ell(r) r}\left(\frac{d\beta'}{dr}\right)\frac{dBRDF}{d\beta'}.$

Column 17, line 19, delete: "; and"

Column 17, line 20, replace: $\rho_{spec}{}^2 = \rho_0{}^2 - 2\rho_0 z_0 \cos\psi_0 \tan\theta_{spec} + z_0{}^2 \tan^2\theta_{spec}$

with: $\rho_{spec}^2 = \rho_0^2 - 2\rho_0 z_0 \cos\psi_0 \tan\theta_{spec} + z_0^2 \tan^2\theta_{spec}$

Column 17, line 22, add: "; and" before "(c)".

Column 17, line 30,
replace: $\cos^{-1}(\sin\theta_1\cos\phi_1\sin\theta_2\cos\phi_2 + \sin\theta_1\sin\phi_1\sin\theta_2\sin\phi_2 + \cos\theta_1\cos\theta_2) \leq \alpha$
with: $\cos^{-1}(\sin\theta_1\cos\phi_1\sin\theta_2\cos\phi_2 + \sin\theta_1\sin\phi_1\sin\theta_2\sin\phi_2 + \cos\theta_1\cos\theta_2) \leq \alpha$

IN THE CLAIMS:

Column 21, line 15, replace: $\text{BRDF} = \frac{1}{\text{P}_i}\frac{1}{\Omega_i}\int_{\Omega i}\int_{Ares}\int_{\Omega d}\frac{d^2\text{P}_i}{d\Omega_i dA}\frac{dp_d(\Omega_i,\Omega_d,\text{A})}{d\Omega_d}d\Omega_i dAd\Omega_d,$

with: $\text{BRDF} = \frac{1}{\text{P}_i}\frac{1}{\Omega_i}\int_{\Omega i}\int_{Area}\int_{\Omega d}\frac{d^2\text{P}_i}{d\Omega_i dA}\frac{dp_d(\Omega_i,\Omega_d,\text{A})}{d\Omega_d}d\Omega_i dAd\Omega_d,$

Column 21, line 29, replace "P_i is incident power of the electromagnetic radiation."
with -- P_i is the incident power of the electromagnetic radiation.--

Column 21, line 58, remove: "for" after "$|\beta - \beta_0| = \theta_i + \theta_d$".

Column 21, line 59, add: "for" before "being".

Column 21, line 65, replace: $\text{BRDF} = \int_{D^*}\frac{dp(\|\beta - \beta_0|)}{d\Omega}\sqrt{k_1}\left|\frac{\partial(\theta,\phi)}{\partial(k_1 k_2)}\right|dk_1 dk_2,$

with: $\text{BRDF} = \int_{D^*}\frac{dp(|\beta - \beta_0|)}{d\Omega}\sqrt{k_1}\left|\frac{\partial(\theta,\phi)}{\partial(k_1, k_2)}\right|dk_1 dk_2,$

MAILING ADDRESS OF SENDER:
McDermott Will & Emery LLP
18191 Von Karman, Suite 500
Irvine, CA 92612

PATENT NO. 7,119,903

No. of add'l copies
@ 50¢ per page

ORC 416200-1.070602.0406